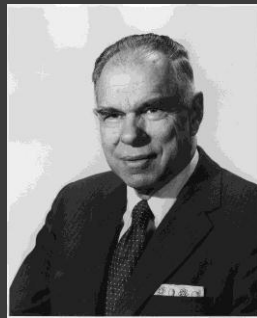


# Synthesis (1940)

In 1940, Edwin McMillan along side Glenn Seaborg synthesized the first transuranic elements. Transuranic elements are the elements with atomic number greater than 92. These elements are highly radioactive and decay rapidly.



# Edwin McMillan and Glenn Seaborg

[illegible]

## Creation

- Elements are created in nuclear reactors and particle accelerators.
- McMillan and Seaborg synthesized elements 93-106 on the periodic table.

## Practical application

- Nuclear Power
- Nuclear Weapons
- Smoke Detectors
- Medical Diagnoses
- Explosive Identification
- Mineral Monitoring